

Exhibit A
re USN 09/990, 940

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-245666

(43)Date of publication of application : 11.09.2001

(51)Int.Cl.

C12N 15/09
A01H 5/00
A01K 67/027
A61K 39/395
A61K 45/00
A61P 25/00
A61P 35/00
C07K 14/705
C07K 16/28
C12N 1/15
C12N 1/19
C12N 1/21
C12N 5/10
C12P 21/02
C12Q 1/68
G01N 33/15
G01N 33/50
G01N 33/53
G01N 33/566
// C12P 21/08
(C12P 21/02
C12R 1:91)

(21)Application number : 2000-060548

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(22)Date of filing : 06.03.2000

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(54) NEW POLYPEPTIDE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a method for obtaining a new G protein conjugated receptor polypeptide and searching a ligand, an agonist, an antagonist or a functional modulator of the polypeptide.

SOLUTION: This DNA encoding the new G protein conjugated receptor polypeptide can be

obtained by randomly sequencing a cDNA clone selected from a cDNA library derived from a human stomach cancer cell. A searching system or a screening kit of a ligand, an agonist, an antagonist or a functional modulator of the polypeptide is obtained by using the polypeptide encoded by the DNA or its partial polypeptide. A compound obtained by using the searching system or the screening kit and an antibody to the polypeptide can be provided. A nonhuman mammal deficient in the DNA can be provided by using DNA.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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CORRECTION

[Date of Correction] 19.05.2003

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